First & Final Bill

SBR No: 220/14-15

25/11/14

BBMP 457/D 31.01.15

M. A. R. 57 (Rule 116)
Measurement Book

No. B

251401

Serial No. .....

Name of Work ..Providing CC Roads at Ch. Krishna Murthy House Road OPP Venugopalaswamy Temple in ward no-10. Doddabommasandra From..... To.....

Name of Contractor or nature of Agency ..... Sri. K. Ramesh Kumar.

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work code NO; 010-14-000013.						
	Agreement NO; 515 Dated 24/2/2014						
	Work order NO; EE/BTP/BBMP/E-PMT/515/2013-4, Dt 24/2/2014						
	Address of Agency; #1438, Nanjappa block 1st Main Road Bangalore						

Executive Engineer
Byatarayanapura Division
Yelahanka Zone, B.B.M.P.
Bangalore-560092

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	1) Earth work excavation by manual means in ordinary soil involving all average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed, the dispersed earth to be leveled neatly after breaking of clods etc						
	Desilting of drains	1	30.00	0.45	0.30 =	4.05cum	
		1	30.00	0.45	0.35 =	4.73cum	
		1	10.80	0.45	0.35 =	1.65cum	
					Total =	10.43cum	
		qty limited to tender =				9.48cum	
		@ RS 65.22				RS	618.00

C&Fc Pg 13

Measurement Book No. B 25140

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	2) Construction of embankment with approved material gravel/murum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement table complete as per specification for CC Road	1	5.00	4.80	0.30 =	7.20cum	
		1	6.00	4.50	0.30 =	8.10cum	
		1	7.50	4.80	0.30 =	10.35cum	
		1	6.50	4.50	0.30 =	8.78cum	
		1	6.80	4.50	0.30 =	9.18cum	
		1	9.00	4.80	0.30 =	12.42cum	

C&Fc Pg 8/14

ವಿದ್ಯುದೀಕರಣಸ್ಥಾವರ ಉಪ ವಿಭಾಗ ಯಲಹಂಕ ವಲಯ. ಪ್ರ. ಬಿ. ಮ. ಸಾ. ಬೆಂಗಳೂರು.

1	2	3	4	5	6	7	8
		1	12.00	4.80	0.30 =	17.28 cum	
		1	6.50	4.90	0.30 =	9.56 cum	
		1	12.00	5.00	0.30 =	18.00 cum	
		1	6.90	5.00	0.30 =	10.35 cum	
		1	9.50	5.00	0.30 =	14.25 cum	
		1	6.50	4.90	0.30 =	9.56 cum	
					Total =	135.02 cum	
		Qty limited to Tender =				135.00 cum	
		@ Rs 164.66				Rs 22229.00	

C&Fc

3) Earth work in Surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, Culverts, road drains) and trenches of Pipe line and cables).

Name of Contractor or nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface leveled and neatly dressed as per specifications						
	For CC Road	1	30.00	$\frac{(5.10+5.0)}{2}$	0.15 =	22.73 cum	
		1	30.00	$\frac{(5.0+5.0)}{2}$	0.15 =	22.50 cum	
		1	30.50	$\frac{(5.0+5.10)}{2}$	0.15 =	23.10 cum	
		1	30.00	$\frac{(4.7+4.50)}{2}$	0.10 =	13.80 cum	
		1	30.00	$\frac{(4.5+4.60)}{2}$	0.10 =	13.65 cum	
		1	30.00	$\frac{(4.6+4.5)}{2}$	0.10 =	13.65 cum	

C&Fc

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	10.90	$\frac{(4.5+4.70)}{2}$	0.10 =	5.01 Cum	
				Total =		114.44 Cum	
		Qty limited to Tender =				112.50 Cum	
		@ Rs 125.10				Rs 14074.00	
4)	Providing and laying in position Plain cement concrete of mix M7.5 with OPC cement @ 180 kgs using gomen and down size graded granite metal coarse aggregates @ 0.85 Cum and fine aggregates @ 0.55 Cum machine mixed concrete laid in layers not exceeding 15cms thick, well compacted, in foundation and Plinth, including cost of all materials for CC Road	1	30.00	$\frac{(5.10+5.0)}{2}$	0.15 =	22.73 Cum	

Serial No.	
Name of Work ..... From ..... To	251404
Name of Contractor of nature of Agency	
Date of commencement of work	

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00	$\frac{(5.0+5.0)}{2}$	0.15 =	22.50 Cum	
		1	30.50	$\frac{(5.0+5.10)}{2}$	0.15 =	23.10 Cum	
		1	30.00	$\frac{(4.7+4.5)}{2}$	0.15 =	20.70 Cum	CRF
		1	30.00	$\frac{(4.5+4.60)}{2}$	0.15 =	20.48 Cum	
		1	30.00	$\frac{(4.6+4.5)}{2}$	0.15 =	20.48 Cum	
		1	10.90	$\frac{(4.5+4.70)}{2}$	0.15 =	7.52 Cum	
					Total =	137.50 Cum	

ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ, ಪಶ್ಚಿಮ ವಲಯ,
ಬಿ. ಬಿ. ಎಂ. ಪಿ. ಕಚೇರಿ, ಬೆಂಗಳೂರು-97

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		Qty limited to Tender				= 135.00 Cum	
		@ RS 4247.93					RS 573471.00
	5) providing & fixing 20mm thick compressible fibre board in expansion joint complete as per drawing & technical etc						
		3	5.00			= 15.00 metre	
		2	5.00			= 10.00 metre	
		3	5.00			= 15.00 metre	
		4	4.50			= 18.00 metre	
		3	4.50			= 13.50 metre	
		3	4.50			= 13.50 metre	
					Total	= 85.50	

CRPC

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಪದವ್ಯಾಧಿಕ್ಷಿಯ ಉಪ ವಿಭಾಗ
ದೇವನಹಳ್ಳಿ
ಬೆ ಗ್ರಾ ಜಿ ಪಂ . ಬೆಂಗಳೂರು-೧

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

251405

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		@ RS 135.79					RS 10931.00
	6) Providing and laying cement concrete using 20mm and down size granite jelly of ready mixed concrete (RMC) for R.C.C. works laid in 15cms thick layers and well compacted vibrating, curing, finishing with necessary cement mortar. form works and scaffolding) to withstand pumping of concrete, with all lead and lifts etc.						
		1	30.00	(5.10+5.0)/2	0.10	= 15.15 Cum	
		1	30.00	(5.0+5.0)/2	0.10	= 15.00 Cum	

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	$30.50\left(\frac{5.0+5.0}{2}\right)0.10$	=		15.40 cum	
		1	$30.00\left(\frac{4.7+4.9}{2}\right)0.10$	=		13.80 cum	
		1	$30.00\left(\frac{4.5+4.6}{2}\right)0.10$	=		13.65 cum	
		1	$30.00\left(\frac{4.6+4.9}{2}\right)0.10$	=		13.65 cum	
		1	$10.90\left(\frac{4.5+4.6}{2}\right)0.10$	=		5.01 cum	
				Total =		91.67 cum	
		Qty limited to Tender =				90.00 cum	
		@ RS 6400.23				RS 576021.00	

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

251406

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	7) Vaccum De-watering with vaccum pump and suction mat and compaction with Skim floater clubbed with floating diesl including cost of generator complete as per specifications.	1	$30.00\left(\frac{5.0+5.0}{2}\right)$	=		151.50 Sqm	
		1	$30.00\left(\frac{5.0+5.0}{2}\right)$	=		150.00 Sqm	
		1	$30.50\left(\frac{5.0+5.0}{2}\right)$	=		154.03 Sqm	
		1	$30.00\left(\frac{4.7+4.9}{2}\right)$	=		138.00 Sqm	
		1	$30.00\left(\frac{4.5+4.6}{2}\right)$	=		136.50 Sqm	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.00 (4.6+4.50)		=	136.50 Sqm	
		1	10.90 (4.5+4.7) / 2		=	50.14 Sqm	
					Total =	916.67 Sqm	
		Qty limited to Tender =				900.00 Sqm	
		@ Rs 90.88				Rs 81792.00	
8)	Providing and removing centering, shuttering, strutting propping etc. and removal of form work for vertical surface such as walls of any thickness, including attached pilasters buttresses, plinth and string courses cost of all materials.						
		1	30.00	0.45	=	13.500 Sqm	
		1	30.00	0.45	=	13.50 Sqm	

Measurement Book

Serial No. .....

Name of Work ..... From..... To..... 251407

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	10.50	0.45	=	4.73 Sqm	
					Total =	31.73 Sqm	
		Qty limited to Tender =				31.50 Sqm	
		@ Rs 268.37				Rs 8454.00	
9)	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kg/ with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates, machine mixed concrete laid in layers not exceeding 150mm thick, vibrated for all works in foundation plinth and ground floor level for roof slabs staircase,						

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Covering Slab	1	30.00	0.60	0.10 =	1.80 Cum	
		1	30.00	0.60	0.10 =	1.80 Cum	
		1	10.50	0.60	0.10 =	0.63 Cum	
					Total =	4.23 Cum	
					Qty limited to Tender =	4.20 Cum	
					@ Rs 5583.36	Rs 23450.00	
10)	providing T.M.T Steel reinforced for R.C.C. work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining member wherever necessary complete as per design						
	Qty vide page No 281 upto of this MB					= 2.94 Qtl	
	No 2815 @ Rs 7376.41					Rs 21687.00	

Serial No. .....
Name of Work ..... From .....
Name of Contractor of nature of Agency ..... To .....
Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					Total	Rs 13,327.00	

(i: Rupees thirteen Lakhs thirty two thousand Seven hundred twenty Seven Only)

Jadhav
AE 25/11/2014

Certificate:
certified that the above work done satisfactory and no materials issued from department

25/11/14

Jadhav
AE 25/11/2014

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ

MEASUREMENT BOOK

Serial No. 25/11/14

Name of Work Improvements to Roads and Drains at Gopalappa Gaarden in ward No-10. From ..... To .....

Name of Contractor of nature of Agency Sri. N. Vijay.

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Sketch Showing the locations of work done Spot						
	Index → C.C. Road → C.C. covering Slabs						
	G. Krishnappa Party House						
	← D. B. Sanaha to Ramachandrappa Para Road						
	Temple Venugopal Swamy						
	D. B. Ramakrishnaiah Main Road						
	Jodhav						
	ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರ ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ						
	Work order no:- EE/BTP/BBMP/E-PMT/612/2013-14 Dt 04/03/2014.						
	Address of Agency:- #03, 2nd Main road 3rd Cross Nagappa block Srirampuram.						